

CLAIMS

1. Use of an extract of at least one bacterium from the family Pseudomonadaceae, as a cosmetic agent intended to combat ageing of the skin, including photoageing, to improve the appearance and tonicity of dry skin, to preserve or improve skin elasticity, and/or to improve the appearance of skin which exhibits a local inflammatory reaction, said extract consisting either of the biomass obtained after culturing said bacterium, optionally followed by purification, grinding, at least partial dehydration and/or sterilization, or of a fraction or a derivative, obtained by chemical modification of certain functional groups, of said biomass, said fraction or said derivative having elastase activity inhibition and/or hyaluronidase activity inhibition properties.
2. Use according to Claim 1, in which said bacterium belongs to the genus *Pseudomonas*.
3. Use according to Claim 2, in which said bacterium is chosen from *Pseudomonas vesicularis* and *Pseudomonas maltophilia*.
4. Use according to any one of the preceding claims, in which said extract consists of the bacterial biomass obtained after culturing the bacterium, said biomass optionally being ground and/or at least partially dehydrated.
5. Use according to any one of the preceding claims, in which said extract is applied in the form of a composition containing a proportion of 0.0005% to

- 5% by weight of bacterial solids relative to the total weight of the composition.
6. Use according to the preceding claim, in which said proportion is within the range of 0.001% to 2% by weight.
 7. Cosmetic treatment method intended to combat ageing of the skin, including photoageing, to improve the appearance and tonicity of dry skin, to preserve or improve skin elasticity, and/or to improve the appearance of skin which exhibits a local inflammatory reaction, said method comprising the step consisting in applying an extract of at least one bacterium from the family Pseudomonadaceae to the skin or to the scalp, said extract either consisting of the biomass obtained after culturing said bacterium, optionally followed by purification, grinding, at least partial dehydration and/or sterilization, or of a fraction or a derivative, obtained by chemical modification of certain functional groups, of said biomass, said fraction or derivative having elastase activity inhibition and/or hyaluronidase activity inhibition properties.
 8. Method according to the preceding claim, having at least one of the following characteristics:
 - the bacterium belongs to the genus *Pseudomonas*;
 - the bacterium belongs to the species *Pseudomonas vesicularis* or *Pseudomonas maltophilia*;
 - said extract consists of the bacterial biomass obtained after culturing the bacterium, said biomass optionally being ground and/or at least partially dehydrated;

- said extract is applied in the form of a composition containing a proportion of 0.0005% to 5%, and in particular of 0.001 to 2%, by weight of bacterial solids relative to the total weight of the composition.
9. Method according to either of Claims 7 and 8, intended to combat photoageing of the skin.
 10. Method according to either of Claims 7 and 8, intended to improve the appearance of dry skin.
 11. Method according to either of Claims 7 and 8, intended to improve the tonicity of dry skin.
 12. Method according to either of Claims 7 and 8, intended to preserve or improve skin elasticity.
 13. Method according to either of Claims 7 and 8, intended to improve the appearance of skin which exhibits a local inflammatory reaction.
 14. Cosmetic composition comprising, as an active ingredient, an extract of at least one bacterium from the family *Pseudomonadaceae*, in combination with an excipient which is acceptable in cosmetology, said extract consisting either of the biomass obtained after culturing said bacterium, optionally followed by purification, grinding, at least partial dehydration and/or sterilization, or of a fraction or a derivative, obtained by chemical modification of certain functional groups, of said biomass, said fraction or said derivative having elastase activity inhibition and/or hyaluronidase activity inhibition properties.

15. Composition according to Claim 14, having at least one of the following characteristics:
- the bacterium belongs to the genus *Pseudomonas*;
 - the bacterium belongs to the species *Pseudomonas vesicularis* or *Pseudomonas maltophilia*;
 - said extract consists of the bacterial biomass obtained after culturing the bacterium, said biomass being at least partially dehydrated;
 - said composition contains a proportion of 0.0005% to 5%, and in particular of 0.001% to 2%, by weight of bacterial solids relative to the total weight of the composition.